

LARIS

Department of Energy Richland Operations Office

P.O. Box 550 Richland, Washington 99352

N10 0 4 1000

AUG 24 1990

SEP. 1 2 1990 SCORRESPONDENCE CONTROL

Dear Mr. Nord:

Mail Stop PV-11

Mr. Timothy L. Nord Hanford Project Manager

State of Washington

Department of Ecology

Olympia, Washington 98504-8711

90-PPB-145

REVISION TO THE HANFORD DANGEROUS WASTE PART A PERMIT APPLICATION (WA7890008967) (D-6-1)

Enclosed is the Dangerous Waste Part A Permit Application, Form 3, Revision 3, for the Nonradioactive Dangerous Waste Landfill (NRDWL). The NRDWL was used for the disposal of nonradioactive dangerous waste that was generated by various Hanford Site facilities. The NRDWL is located in the 600 Area of the Hanford Site.

The Form 3, Revision 3, for the NRDWL has been revised to update the process description, add 39 dangerous waste codes and their estimated annual quantities of dangerous waste, eliminate Dangerous Waste Code UO37, revise the description of dangerous waste, and add a new facility drawing and photographs. The addition of the 39 dangerous waste codes is in compliance with the Washington State Dangerous Waste Regulation 173-303-805. This regulation requires a revised Part A permit application to include any dangerous waste that may be treated, stored, or disposed of at a facility with interim status that has not been previously identified. The above changes are based on an evaluation performed in support of the NRDWL Closure/Postclosure Plan which is to be submitted to the State of Washington Department of Ecology by August 31, 1990 (Hanford Federal Facility Agreement and Consent Order Milestone M-20-07).

In addition five new dangerous waste codes (D018, D019, D022, D039, and D040) with their estimated annual quantities of dangerous waste, have been added to this permit application revision based on a notification from the U.S. Environmental Protection Agency (EPA) of a rule change on toxicity characteristics testing (EPA Final Rule, Federal Register, Volume 55, pages 11799 through 11877, dated March 29, 1990). This rule change, which is to be implemented on September 25, 1990, will replace the Extraction Procedure (EP) Toxicity test with a new procedure called Toxicity Characteristics Leaching Procedure (TCLP). In most cases, the TCLP is more sensitive than the EP Toxicity test in determining whether the waste is toxic. The rule change adds 26 organic chemical constituents that are toxic when characteristics are above TCLP limits. Based on an evaluation of the data provided by the closure plan, the above five dangerous waste codes were added to this permit application.

S ... 5 ... 5

Ċ

5

00

Control of the Contro

If you have any questions regarding the enclosed permit application, please contact Mr. C. E. Clark of the U.S. Department of Energy, Richland Operations on (509) 376-9333 or Ms. C. J. Geier of Westinghouse Hanford Company on (509) 376-2237.

Sincerely,

k R. D. Izatt, Director

Environmental Restoration Division

Richland Operations Office

R. E. Lerch, Manager **Environmental Division**

Westinghouse Hanford Company

Enclosure: Dangerous Waste Part A Permit Application for the NRDWL

cc w/encl.:

P. T. Day, EPA D. L. Duncan, EPA

R. E. Lerch, WHC

NONRADIOACTIVE DANGEROUS WASTE LANDFILL PART A PERMIT APPLICATION REVISION EXPLANATION (D-6-1)

This Part A permit application consists of a Form I (not revised) and a Form 3 that describes the Nonradioactive Dangerous Waste Landfill (NRDWL) in general terms. The Part A permit application, Form 3, for the NRDWL has been revised to update the process description, add 39 dangerous waste codes and their estimated annual quantities of dangerous waste, delete dangerous waste code U037 (chlorobenzene), revise the description of dangerous waste, and add a new facility drawing and photographs that were not identified on the existing Form 3, Revision 2. These revisions are based on data obtained for the NRDWL Closure/Postclosure Plan (closure plan) which is scheduled to be approved and sent to the Washington State Department of Ecology by August 31, 1990 (Hanford Federal Facility Agreement and Consent Order Milestone M-20-07).

In addition five new dangerous waste codes (D018, D019, D022, D039, and D040) with their estimated annual quantities of dangerous waste, have been added to this permit application revision based on a notification from the U.S. Environmental Protection Agency (EPA) of a rule change on toxicity characteristics testing (EPA Final Rule, Federal Register, Volume 55, pages 11799 through 11877, dated March 29, 1990). This rule change, which is to be implemented on September 25, 1990, will replace the Extraction Procedure (EP) Toxicity test with a new procedure called Toxicity Characteristics Leaching Procedure (TCLP). In most cases, the TCLP is more sensitive than the EP Toxicity test in determining whether the waste is toxic. The rule change adds 26 organic chemical constituents that are toxic when characteristics are above TCLP limits.

The following is an overview of changes incorporated into the NRDWL Part A Permit Application, Form 3, contents.

- Section I The EPA/State Identification Number No change.
- Section II <u>First or Revised Application</u> No change.

in

Section III Processes - Codes and Design Capacities - This section describes the process codes and process design capacities of the NRDWL. Blocks A and B have no changes. Section III.C, "Process Description," was revised to include the size of the NRDWL trenches and identification of the trenches that were used to dispose of the dangerous waste. Additional details of the processes are provided in this section.

Section IV

<u>Description of Dangerous Waste</u> - This Section describes the dangerous wastes that were disposed of at the NRDWL. Blocks A and B identify the 39 dangerous waste codes and their estimated annual quantities of dangerous waste. Dangerous waste code U037 (chlorobenzene) has been deleted. The 39 dangerous waste codes were added in compliance with the Washington State Dangerous Waste Regulation 173-303-805. This regulation requires a revised Part A permit application to include any dangerous waste that may be treated, stored, or disposed of at a facility with interim status that has not been previously identified. These revisions are based on data obtained for the closure plan. Five new dangerous waste codes (D018, D019, D022, D039, and D040) with their estimated annual quantities of dangerous waste, have been added to this permit application based on the TCLP requirements. Table 1 of this explanation provides a definition of the dangerous waste codes, estimated annual quantities of dangerous waste, and description of chemical constituents. Blocks C and D have no changes. Section IV.E., "Description of Dangerous Waste," provides additional details of the dangerous waste disposed of in the NRDWL.

Section V

<u>Facility Drawing</u> - The NRDWL drawing has been modified based on data provided by the closure plan.

Section VI

<u>Photographs</u> - An aerial photograph and an updated photograph of the NRDWL have been included in this permit application.

Section VII

Facility Geographic Location - No change.

Section VIII

Facility Owner - No change.

Section IX

Owner Certification - The certification is signed by the Manager, U.S. Department of Energy-Richland Operations Office.

The Manager of U.S. Department of Energy-Richland Operations Office was changed from Michael J. Lawrence to John D. Wagoner.

Section X

Operator Certification - An attachment is provided to the Form 3 to be signed by the President, Westinghouse Hanford Company, as co-operator, and the Manager, U.S. Department of Energy-Richland Operations Office, as owner/operator. These signatures certify that the information is true, accurate, and complete.

The President of Westinghouse Hanford Company was changed from William M. Jacobi to Roger C. Nichols.

The Manager of U.S. Department of Energy-Richland Operations Office was changed from Michael J. Lawrence to John D. Wagoner.

Since the applicability and implementation of Secretary of Energy Notice 22-90, dated May 8, 1990, is being discussed by the Westinghouse Electric Corporation and the U.S. Department of Energy (DOE) Headquarters, this permit application is unsigned. The WHC is forwarding this permit application so that the DOE-Richland Operations Office may review the technical portions of this permit application and be ready to immediately implement the results of the discussions.

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste <u>Number*</u>	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents***
D001	24,345**	Dangerous waste that exhibits characteristics of ignitibility (e.g., formaldehyde)
D002	13,433**	Dangerous waste that exhibits characteristics of corrosivity (e.g., formic acid)
D003	17,630**	Dangerous waste that exhibits characteristics of reactivity (e.g., cyanides)
D004	1.5**	Arsenic
D005	13**	Barium
D006*	933**	Cadmium
D007	172**	Chromium
D008	120**	Lead
D009	102**	Mercury
D010	30	Selenium
D011	1**	Silver
D018*	305**	Benzene***
D019*	94**	Carbon tetrachloride***
D022*	31**	Chloroform***

New Dangerous Waste code number per WAC 173-303-805.

€,

0

^{** -} New Estimated Annual Quantity of Dangerous Waste (kilograms).

^{*** -} New Dangerous Waste code number per EPA Final Rule, Toxicity Characteristics Leaching Procedure, dated March 29, 1990.

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued
KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste <u>Number*</u>	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents***
D039*	205**	Tetrachloroethylene***
D040*	631**	Trichloroethylene***
F001	960**	Spent halogenated solvents used in degreasing (e.g., carbon tetrachloride)
F002	86**	Spent halogenated solvents (e.g., tetrachloroethylene)
F003	92**	Spent nonhalogenated solvents (e.g., xylene)
F004*	8**	Spent nonhalogenated solvents (e.g., nitrobenzene)
F005*	3,622**	Spent nonhalogenated solvents (e.g., methyl ethyl ketone)
U001*	4**	Acetaldehyde
U002*	25**	Acetone
U003*	5**	Acetonitrile
U009*	I**	Acrylonitrile
U012*	11**	Aniline
U019	362**	Benzene
U022*	180**	Benzopyrene

New Dangerous Waste code number per WAC 173-303-805.

ţ. . .

(

^{** -} New Estimated Annual Quantity of Dangerous Waste (kilograms).

^{*** -} New Dangerous Waste code number per EPA Final Rule, Toxicity Characteristics Leaching Procedure, dated March 29, 1990.

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste <u>Number*</u>	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
U031*	6**	Butanol
U044	44**	Chloroform
U051	20	Creosote
U053*]**	Crotonaldehyde
U056*	13**	Cyclohexane
U069*	3**	Dibutyl phthalate
U070*	2**	Dichlorobenzene
U077*	10**	Ethylene dichloride
U080*	50**	Methylene chloride
U092*	6,800**	Dimethylamine
U093*	6**	Dimethylaminoazobenzene
U107*	120**	Di-n-octyl phthalate
U108	80**	1,4-Dioxane
U177*	15**	Ethyl ether
U122	31**	Formaldehyde
U123	82**	Formic acid
U133	315**	Hydrazine

New Dangerous Waste code number per WAC 173-303-805.

^{** -} New Estimated Annual Quantity of Dangerous Waste (kilograms).

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste <u>Number*</u>	Annual Quantity of Dangerous Waste (K)**	Description of Chemical <u>Constituents</u>
. U134	39**	Hydrofluoric acid
U142	1**	Kepone
U144*	g**	Lead acetate
U151	156**	Mercury
U154*	21**	Methyl alcohol
U159	203**	Methyl ethyl ketone
U161*	10**	Methyl isobutyl ketone
U169*	8**	Nitrobenzene
U188	3**	Phenol
U196*	12**	Pyridine
U201*	1**	Resorcinol
U210*	205**	Tetrachloroethylene
U211	94**	Carbon tetrachloride
U213*	157**	Tetrahydrofuran
U219*	13**	Thiourea
U220	3,404**	Toluene
U226	1**	1,1,1-Trichloroethane

€ 🔥

£* *

○

^{* -} New Dangerous Waste code number per WAC 173-303-805.

^{** -} New Estimated Annual Quantity of Dangerous Waste (kilograms).

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued

KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste <u>Number*</u>	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
U228	632**	Trichloroethene
U239	14**	Xylene
P010*	1**	Arsenic acid
P012*	1**	Arsenic (III) oxide
P022*	2**	Carbon disulfide
P030*	1**	Cyanides (soluble cyanide salts)
P048*	5**	2,4-Dinitrophenol
P096*	11**	Phosphine
P098	3**	Potassium cyanide
P106	2**	Sodium cyanide

ť,

() !

^{* -} New Dangerous Waste code number per WAC 173-303-805.

^{** -} New Estimated Annual Quantity of Dangerous Waste (kilograms).

TABLE 1 - NONRADIOACTIVE DANGEROUS WASTE LANDFILL - Continued KEY TO DANGEROUS WASTE IDENTIFICATION NUMBERS

PART A, SECTION IV

Dangerous Waste <u>Number*</u>	Annual Quantity of Dangerous Waste (K)**	Description of Chemical Constituents
WT01*	29,770**	Toxic - Extremely hazardous waste (EHW) (e.g., dichloromethane)
WTO2*	18,425**	Toxic - Dangerous waste (DW) (e.g., carbon tetrachloride)
WCO1*	5,680**	Carcinogenic - EHW (e.g., carbon tetrachloride)
WCO2*	3,380**	Carcinogenic - DW (e.g., dichloromethane)
WP01*	1,242**	Persistent - EHW (e.g., dichloromethane)
WP02*	55**	Persistent - DW (e.g., butyl alcohol)
WP03*	7**	Polycyclic aromatic hydrocarbons - EHW (e.g., dichlorobenzene, o-)

1

(,

C.1

O'

^{* -} New Dangerous Waste code number per WAC 173-303-805.

^{** -} New Estimated Annual Quantity of Dangerous Waste (kilograms).

	-			e in the unstacled areas only spaces for elle type s a , 12 (characters/wch)																	
	3			DANGE	ROUS . W	/AST	7E P	EF	RMIT	Γ	API	PL!	IC	Α	TION	1. i	PA/STATI		0 N	u d		9 6
			FFI	CIAL USE ONLY	1									•								
		200	YŁ Ó						· . · . · .		-				COLH-ENTS	·						
	. F	IRS	T	OR REVISED APPL	ICATION																	
	Pi.	YOU	48 " Lica	X'' in the appropriate bas Lapplication and you also	in A of B below ally know your fa	(mark on	e box onh PA/STAI	r) 10 : E 1 D	ndicati dinuN ,	e who	ither li if the	143 43 14 6 61	the we	 300	t application you are application, enter you	aubmilling for y w facility's EPA	our lecitity or a rSTATE (D. Nu	NUDe:	eed ap	pplic iction	ation. n l abo	ii thin
^	, FIA	ist _	•	LICATION (place en "X") EXISTING FACILITY (See ma)			-		,							Z. NEW FACILII					···	
l		_		Completi	9 HOM Balow }										•	T 2. NEW PACILI	F	ов н	₩/ EWFA DE NH			
		C	1	11 117151 ⁰ 1	DA EXISTING FACIL PEHATION BEGAN BUTTON BUTTON BE	CA THE D	OVICE THE ATE CONST	DATE	(me , d TION CO	ar, é i MMEI	+CEB				E	MO DAY	40 (ми. Юн в		ORIS	PERA.	
0	AE	VISE V	D A	PPLICATION (place en "X FACILITY HAS AN INTERIM	"balow and cos	nplute Sc	oction i ab	ove)														
11	l. P	_		SSES - CODES		N CAF	ACITIE	S	····						<u>-</u>	2. FACILITY HA	S A FINAL PERM	1				
^	PR line Car	OC: OC: AM: UNI	ESS (# n (fy) H ESS OUN T OF	CODE — Enter the code seaded, onter the code(s) in the opace provided on i DESIGN CAPACITY — F F — Enter the amount, MEASURE — For each i strict are listed below an	from the list of g in the space p he (Section III-C) or each code en smount entered i ovid be used,	rocusa (rovided, l, letad in c n column	codes bel If a proce column A s	ow th	the ca	from	y of thi	e pro	cea	ude is.	d in the list of codes	below, then de	unit of measure	G853	(incl	ly thi	y its d	esiya
				PROCESS	PHQ- CESS CODE	MEASU	PRIATI PRE FOI SIGN CA	49.5	OCES						PROCESS	PAG- CESS CODE	MEASURE	E FC) A P	ROC	ESS	
	Store	5 Q 4.	:				113,14 62	<u> </u>	.41 6	-		Tres			PROCESS	CODE	DESIG	NC	APA	CIT	Υ	
	CONTAINER (barrol, drum, aic.) SO1 TANK SO2 WASTE PILE SO3 SURFACE IMPOUNDMENT SO4 Disposal:				GALLONS OR LITERS GALLONS OR LITERS CHARC YARDS OR CHARC METERS GALLONS OR LITERS						TANK SURFACE IMPOUNDMENT INCINERATOR					TO1 GALLONS PER DAY OR LITERS PER DAY TO2 GALLONS PER DAY TO3 TOMS PER HOUR OR METRIC TONS PER HOUR, GALLONS PER HOUR OR LITERS PER HOUR OR						
	INJECTION WELL 080 GALLONS OR LITERS LANDFILL 081 AGRE-FEET the softeme that could cover the fact that of the country of the								(:	atura Zorin Dinci	141 C 2534 Cu II . De	01 bi	for physical, chemics ological freshmint of occurring in tunks, undiments or incliner- be the products in ovided; Suction IR-C.]	TO4	GALLONS I LITERS PEI	en i	DAY C	A				
	UNIT	ne .	16 4 ¢		UNIT OF MEASURE										UNIT OF MEASURE						UNIT	
	GALL	ONS			C00£		UNIT OF	13 PI	IDAY			., .			<u> </u>	UNIT OF MEASU	RE				CO	
:	CURIC	YAI	tas		č		MI, III GALL	RI ECI OMS I	SHORIE NEBRIER	u A		•				ACRE FEET HECTARE METEL ACRES HECTARES				,	A F B Q	
	EXA holu	МF 1 2	00 00	FOR COMPLETING	SECTION	 (sho	owa in gallons	linu Th	numi a lac	bers	X-I also	and ha	i X		below): A facilit	ly has two	sloraga lan	ks.	one	tan	ik ca	ın
	.				S DESIGN CAI			$\overline{}$			T				ĭ			7	heı	1	/di .	
L L E	()	CES COD	PRO- ESS QDE 1. AMOUNT must (specify)			2, UMP OF MEA SURE (anter cour)		FOI OFFIC USI ONL	E E	L M L M E R	CESS CODE		S E	B. PROCESS DE		OF S		UNIT MEA SUITE		OFFI U:	OR CIAL SE ILY	
X-1	5	0	2	60	00		G	1	T	T	5		_	Γ				-	H	F	T	
۲٠.	7	v	3		20		E	1		\dagger	6						. <u></u>	+		\dagger	+	\vdash
1	D	8	1		5		А	1	\prod	\top	7						*******		$ \cdot $	+		
2								1		+	3	П		\vdash					\dashv	\dagger	1.	
,								\dagger	$\dagger \dagger$	十	,,	Н		\vdash						+	+	+
								\dagger	H	1	100	Н	-						+	+	+	+

ور الحق عد والحق عد

Enwale.

£.3

61

Commund from the front.

IIL PROCESSES (company)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TOA"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

D81

The Nonradioactive Dangerous Waste Landfill (NRDWL) is located approximately 3.5 miles southeast of the 200 East Area. The NRDWL was used for disposal of nonradioactive dangerous waste from January 1975 through May 1985. The NRDWL provided disposal of dangerous waste generated from process operations, research and development laboratories, maintenance activities, and transportation functions located throughout the Hanford Site. The NRDWL is a 10 acre land disposal unit that consists of 19 (trenches 18N, 24, and 32 were not used for disposal) unlined trenches approximately 400 feet long, 16 feet wide at the base, and 15 feet deep. Six trenches (trenches 19N, 26, 28, 31, 33, and 34) were used for disposal of dangerous waste. Asbestos was disposed of in nine trenches (trenches 2N, 20, 21, 22, 23, 25, 27, 29, and 30). Nonhazardous waste was disposed of in trench 1N. The dangerous waste trenches of NRDWL have a total design capacity of 5 acre-feet.

IV. DESCRIPTION OF DANGEROUS WASTES

- A DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle, if you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminants of those dangerous wastes.
- ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNOS	۹	KILOGRAMS	
TONS	T	METRICTONS	•

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate desays or specific present of the waste.

D. PROCESSES

. 18

Forma.

1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non—listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contamined in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non—listed dangerous wastes that possess that characteristic or toxic contaminant,

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above: (2) Enter #000m in the extreme right box of from IV-O(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form,

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- 1. Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns 8, C, and B by estimating the total annual quantity of the weste and describing all the processes to be used to treat, store, and/or dispose of the weste.
- 2. In column A of the next line exter the other Dangerous Weste Number that can be used to describe the waste, in column O(2) on that line enter "included with above" and make no other entries on that line.
- 3. Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (anows in line numbers X-1, X-2, X-2, and X-4 below) — A facility will treat and dispose of an estimated 900 pounds per year of chrome sharings from leather training and instance only and there will be an estimated 200 pounds per year of each wastes. The other weste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an increasor and dispose will be in a landfill.

L	_		Α.	ous	Π		ç	UMIT												D.	. PROCESSES
NO E	۱ ۱	/A.S	700	HO.		B. ESTIMATED ANNUAL GUANTITY OF WASTE		SURE poter corri		1. PROCESS CODES (enter)					ODE	:5			2. PROCESS DESCRIPTION (A a code is not ensured in Of1))		
V-1	K	0	5	4		900		P	7	г ,	0.	3	D	8	0		- 1		ı	T	
V-2	D	0	0	2		400		Р	7		0 .	3-	D	8	0		1		1	1	
X-3	D	0	0	1		100		P	7		0	3	D	8	0	П			<u> </u>	1	
X-4	D	U	0	2					7	T (0.	3	D.	8	0		1			ì	included with above

ECL3G -271- ECY 030-31 Form 3

PAGE 2 OF 5

CONTINUE ON PAGE 1

Contidued from page 2.

C

		page before completing if you have m	ore then 26 w	estes to R	et.				
<u> </u>		0 0 8 9 6 7						·	
	· · · · · · · · · · · · · · · · · · ·								
	DESCRIPTION	ON OF DANGEROUS WAST							
NO	DANGEROUS WASTE HO.	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEA- SURE		. PROCES		0.	PROCESSES	
=	(antar code)		(antu-			- COUES			SS DESCRIPTION not entered in O(1))
	D 0 0 1	24,345	K	8'0	1_			Disposal	/Landfill
2	D 0 0 2	13,433							
3	D 0 0 3	17,630		1 7					
4	D 0 0 4	1.5		1 1					
5	0005	13					1		
6	0006	933		1			1 1		
7	D 0 0 7	172		1		1 1	1		
8	0008	120				1	, ,		
9	D O O 9	102					1		
10	0 0 1 0	30					1		
11	D 0 1 1	1					1		
12	D 0 1 8	305							
13	0 0 1 9	94						•	
14	0 0 2 2	31		1 1		}			
15	0039	205		_ ' '		, ,			
16.	0 4 0	631							
17	F 0 0 1	960				į į	' '		
18	F 0 0 2	86				1 1			
19	F 0 0 3	92				1			
20	F 0 0 4	8				1 1			
21	F 0 0 5	3,622		1	1 ,	l I			
22	001	4			1 1	1 1			
23	1005	25		1 1	7 7	, ,			
24	003	5			ŧ i				
	J O O 9	· 1		1		, , ,			
26	J 0 1 2	11	*	141	, ,			+	•
				···					

Combleed from page 2,

(>

NOTE	Photodop	this page before completing if you have more then 26 westes to it.	oč.

IV. DESCRIPTION OF DANGEROUS WASTES (continued) IV. DESCRIPTION OF DANGEROUS WASTES (continu	•											
IV. DESCRIPTION OF DANGEROUS WASTES (continued)												
1	IV. DESCRIPTION OF DANGEROUS WASTES (continued)											
N O WASTE RIA CONTRIBUTE CONTRIBUT												
z U 0 2 2 180 3 U 0 3 1 6 4 U 0 4 4 4 5 U 0 5 1 20 6 U 0 5 3 1 7 U 0 5 6 13 8 U 0 6 9 3 9 U 0 7 7 10	TION XIII											
2 U 0 2 2 180 3 U 0 3 1 6 4 U 0 4 4 4 45 5 U 0 5 1 20 6 U 0 5 3 1 7 U 0 5 6 13 8 U 0 6 9 3 9 U 0 7 0 2 10 U 0 7 7 10	i11											
3 U 0 3 1 6 4 U 0 4 4 4 45 5 5 U 0 5 1 20 5 0 0 5 3 1 5 0 0 5 6 13 5 U 0 6 9 3 5 0 0 7 7 0 2 5 0 U 0 7 7 7 10												
4 U 0 4 4 45 5 U 0 5 1 20 6 U 0 5 3 1 7 U 0 5 6 13 8 U 0 6 9 3 9 U 0 7 0 2 10 U 0 7 7 10												
5 U 0 5 1 20 6 U 0 5 3 1 7 U 0 5 6 13 8 U 0 6 9 3 9 U 0 7 0 2 10 U 0 7 7 10												
6 U 0 5 3 1 7 U 0 5 6 13 8 U 0 6 9 3 9 U 0 7 0 2 10 U 0 7 7 10	·											
7 U 0 5 6 13 8 U 0 6 9 3 9 U 0 7 0 2 10 U 0 7 7 10												
8 U 0 6 9 3 9 U 0 7 0 2 10 U 0 7 7 10												
9 U 0 7 0 2 10 U 0 7 7 10												
10 U 0 7 7 10												
11 0 0 8 0 50												
12 0 9 2 6,800												
13 0 0 9 3 6												
14 U 1 0 7 120												
15 U 1 0 8 80												
16 U 1 1 7 15												
17 U 1 2 2 31												
18 U 1 2 3 82												
19 U 1 3 3 315												
20 0 1 3 4 39												
21 U 1 4 2 1												
22 U 1 4 4 9	,											
23 U 1 5 1 156												
24 U 1 5 4 21												
25 U 1 5 9 203												
26 0 1 6 1 10												

-

به ویکاری او این جا واسیدی ب

Combined from page 2

NOTE: Photocopy this page before completing if you have more than 28 westes to list.

<u> </u>	u), 1	(L)	10	27	(01	(er from page 1)	g if you have more						·							
W A		7	8	9		0	0 0 8 9 6 7													•	
īV.	-	Œ	5	СЯ	IP	110	ON OF DANGER	OUS WASTE	S (CO	itic	Hed)		_						
1. H		A. DAMGEROUS WASTE HG. (only sold)						D AMRIAL	C. UNIT OF MEA- SURE				D. PROCESSES								
N O	L					1		WASTE		(anter		1.		PROCESS CODES						2. PROCESS DESCRIPTION (If a code in not antered in O(1))	
1	Ī]	1	6	9	9	8			K			3 1	T	7	1	1		1	Disposal/Landfill	
2	l	<u>기</u>	1	8	3 8	3	3					1		1			,	<u> </u>			
3	Į	4	1	9	(5	12						Ľ				1				
4	į	j	2	0	:	ı	1					,	-	ı		<u>'</u>			•	•	
5	Į	1	2	1	(<u> </u>	. 205			\coprod		<u>'</u>	Ľ	,			1				
6	ı	1	2	1	1		94			\prod		,				<u> </u>	1				
7	ι	1	2	1	1	3	157						,	,			I				
8	Į		2	1	9)	13					1			Γ		1				
9	ι	1	2	2	(3,404					Γ		1	1		J		1 "		
10	į	1	2	2	6	5	1					1	_		1		ı		Т		
11	ί	ı	2	2	8	3	632				1		_	_						•	
12	Į	1	2	3	9		14										ī				
13	F	1	0	1	(1					'		_		, , ,					
14	P	1	0	1	2		1			Щ		ı				1					
15	P	1	힐	2	2		2					ı		ı		,				·	
16.	P	1	0	3	0		1							ı	<u> </u>						
17	P	1	이	4	8		5						,	,	_						
18	P	L	0	9	6		11			Щ		,				1					
19	P		0	9	8	_	3						Ì								
20	p		1	0	6		2		1	┦	1	Ţ				1				+	
21		-				L			1			<u> </u>				1					
22			1		_											1		, ,			
23		L	-							1		ľ				<u> </u>					
24			-		_		,			\perp				1 "		,		, ,	- 1	·	
25		L	4		_		•		_			- ₁ -		'		.1		, ,	[
26	_			_	_						L	1	1	i i				,		·	

Continued from pages 2.

(· F

MOTE: Photocopy this page before completing if you have more than 28 wester to list.

-				_	ter from pega 1)										
WA	7	8	9	0	0 0 8 9 6 7		•								·
IV. DESCRIPTION OF DANGEROUS WASTES (continued)															
L N N O	OA W	A. DANGEROUS WASTE NO. (one-paid)		7U.S FC.	B. ESTIMATED AMMUAL QUANTITY OF WARTE	o	C. UNIT OF MEA- SURE (mm code)			1.	PROCES	\$ COC	æs	<u> </u>	PROCESS DESCRIPTION (If a coate in and entered to O(18)
_		T			29,770		ĸ	Т) '8	1	1 1	<u> </u>	7	1 1	Disposal/Landfill
2	W	T	0	2	18,425			_	<u> </u>	1		1	, 		
3	W	С	0	1	5,680		\prod	1		·			<u>.</u>		
4	W	С	0	2	3,380			\downarrow		T	1 1				
5	W	Р	0	1	1,242			+	-	T	1 1		1	1 1	
6	W	Р	0	2	55		\downarrow	+	-	1		1	-1-		
7	W	Р	0	3	7		*	4	<u> </u>			 		1 1	Y
8		_	_					+	-	_	1 1		,		
9		_	_			-		4	-			-	_	1 1	
10			_					+	1	_		1	1		
11					·····	-		+	-1-	Т	-1-1	.		1 1	
12		_	_		· · · · · · · · · · · · · · · · · · ·	-		+	1	_	1 1	-	1		
13		<u> </u>	_					+	1			1	ī	1 1 1	
14		H	_			-		+	1	_	1 1	T	1	1 1	
15			-					+	1	-	1 1	1	ī	1	
16 <u>.</u> 17		<u> </u>	-					+	7		1 1	1	-1		
18								+	7	1	1 1	1	1	1 1	•
19							1	+	ī	T	1 1	1	Т		
20											1 1	ī	1	1 1	
21					·				ī		l i	<u>.</u>	1	1 1	
22												<u> </u>	ī		•
23									1				1		
24	L	_	_					\perp			1 1		1		,
25	<u> </u>		_		•		_	1	· 		1 1		· -		
26	L		L			1	\perp	_							

KCL09 -271- ECY 030-31 Form 3

PAGE 3___OF 5

CONTINUE ON REVERSE

•		nev. 5, 00-24-90, rage / 61 11
Continued from the front.	1 a a 4 3	
IV. DESCRIPTION OF DANGEROUS WASTES (cons		
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FRO	DM SECTION D(1) ON PAGE 3.	'
ĺ,		•
The Nonradioactive Danger	ous Waste Landfill (NRD)	WL) was used for the disposal
of dangerous waste genera	ted from various Hanford	d Site operations from
January 1975 through May	1985. The NRDWL ceased	receiving dangerous waste for
disposal in May 1985. Th	is waste consists of li	sted waste, waste from non-
specific sources, charact	eristic waste, and state	e-only waste.
,	•	·
The quantities of waste i	dentified in Description	n of Dangerous Waste, item
IV. B., represent the est	imated total quantity o	f waste disposed of in the
NRDWL, rather than an ann		•
,		
•		•
,		
•		
V. FACILITY DRAWING		
All existing facilities must would in the space provided on page	S a scale drawing of the facility (see instruc	tions for more detail).
VI. PHOTOGRAPHS	<u> </u>	
All existing lecilities must include photographs (sonal or pround—	ievel) that clearly delineate all existing alrud	tures; existing storage, treatment and disposal areas; and
sites of future storage, treatment or disposal areas (see instruction		
VII. FACILITY GEOGRAPHIC LOCATION This in	formation is provided o	n the attached drawings and photos
LATTTUDE (degrees, minutes, & seconds	,	LONGITUDE (degrees, minures, 8 seconds)
	<u> </u>	
VIII. FACILITY OWNER		
A. If the facility owner is also the facility operator as listed in Se	mine We as Farm 1 The annual later as and the	and HWN as the hours of the few and also as found on the hollow
A. In the recently come, is stop the recently dyes also as using an 34	stroc as ou commit deus-granteum there	ean A in the box to the left and sulp to pection to below.
B. If the facility pener is not the facility operator as listed in Sec	tion VII on Soom 1. complete the following Human	
		•
1. HAME OF FAC	rity's legal owner	2. PHONE HO (area code & no.)
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	 	
3. STREET OR P.O BOX	4, CITY OR TOV	VN 5. ST. 8 ZIF CODE
IX. OWNER CERTIFICATION		
I certify under penalty of faw that I have personal	ly examined and am familiar with t	he information submitted in this and all attached
documents, and that based on my inquiry of those	individuals immediately responsible	e for obtaining the information, I believe that the
submitted information is true, accurate, and compi	electom aware that there are sign	nificant penalties for submitting false information,
including the possibility of fine and imprisonment.		,
KAME (presidented) John D. Wagoner	SASHATURE / / / 2	DATE SIGNED
Manager, Richland Operations	k Vin 11/16/101	a_{11} d_{12} d_{13}
United States Department of Fnergy	TIMIN. WLEY!	1700 + 01 67110
X. OPERATOR CERTIFICATION		• ·
I cortify under naraby at law that I have named	Varaminad and am familiar with a	ha information achievand in this and all attached
I certify under penalty of law that I have personal documents, and that based on my inquiry of those	i individuals immediataly responsibl	e for obtaining the information. I believe that the
submitted information is true, accurate, and compl		
including the possibility of fine and imprisonment.	·	· -
MANAE (presi of type)	SIGNATURE	DATE SIGNED
I am an are the second		1

SEE ATTACHMENT

 \bigcirc

€ : 3

C 2.5

(**,7

○

٠,

X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Owner/Operator

€ .

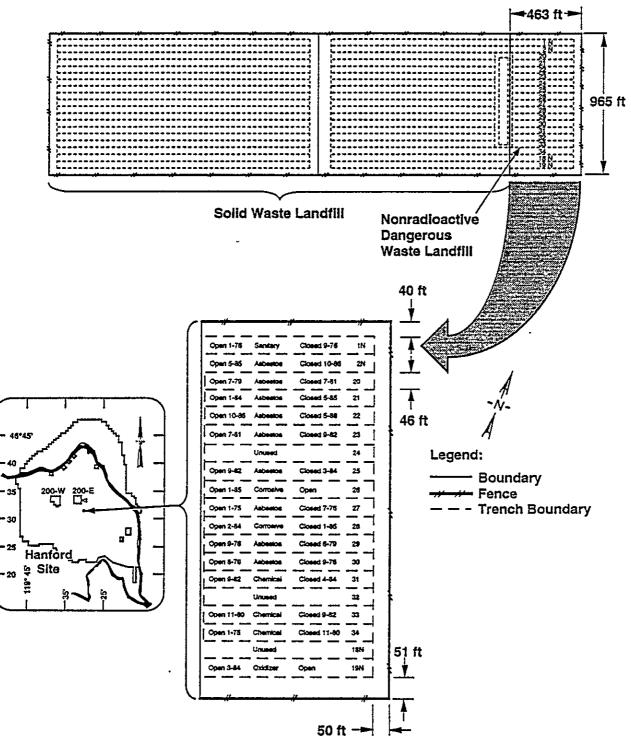
C.3

()

John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office Date

Co-operator

Roger C. Nichols, President Westinghouse Hanford Company 8/13/90 Date



C.

*ር ላ*ያ

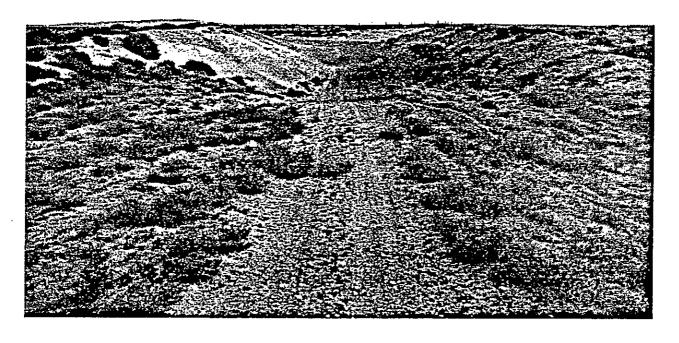
()

→

0

79006140.5 .

NONRADIOACTIVE DANGEROUS WASTE LANDFILL-600 AREA

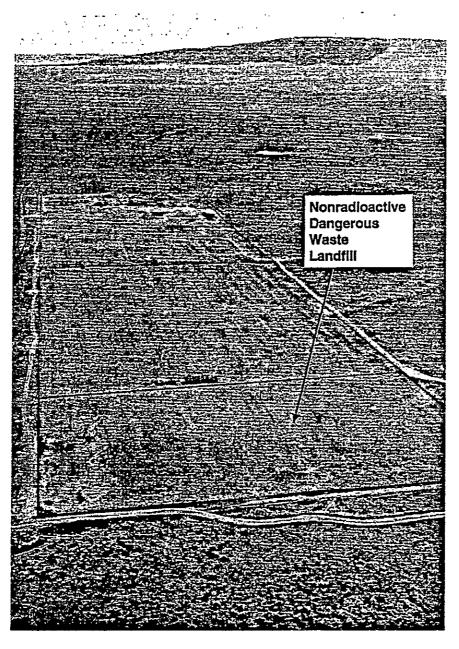


46°30'40" 119°27'50"

C 1

8505779-3CN (PHOTO TAKEN 1985)

NONRADIOACTIVE DANGEROUS WASTE LANDFILL-AERIAL VIEW



46°30'40" 119°27'50"

90062924-1CN (PHOTO TAKEN 1990)

DISTRIBUTION COVERSHEET

Author

Addressee

Correspondence No.

J. F. Williams Jr., 376-4782 Mr. R. D. Izatt, DOE-RL

Incoming 9004013

Subject

117 **C**

(1

○!

 \boldsymbol{C}

0

REVISION TO THE PART A PERMIT FOR THE NONRADIOACTIVE DANGEROUS WASTE LANDELLI

	Internal Distribution	TIVE DANGEROUS WASTE LANDFILL	
Approval Date	Name	. Location	w/att
Approval Date	Internal Distribution	A3-01 G4-07 B3-15 B3-04 H4-57 H4-51 H4-15 T1-30 B2-35 H4-15 B2-19 H4-57 R2-30 H4-16 R2-56 B4-52 B2-19 B2-35 S1-56 H4-57 B2-19 G4-02 B3-51 G4-04 B2-19 H4-57 G4-07 H4-22 H4-57	w/att
	J. J. Dorian L. A. Garner C. J. Geier J. W. Hagen D. H. Jones K. R. Jordan J. R. Knight R. J. Landon R. E. Lerch (Assignee) P. R. Praetorius S. M. Price G. S. Robinson W. J. Schlauder D. E. Simpson V. R. Weil S. A. Wiegman J. F. Williams Jr. J. F. Woods EDMC/AR JFW: LB	H4-15 B2-19 H4-57 R2-30 H4-16 R2-56 B4-52 B2-19 B2-35 S1-56 H4-57 B2-19 G4-02 B3-51 G4-04 B2-19 H4-57 G4-07 H4-22 H4-57	

54-6000-117 (09/88)